

IN THE CLAIMS:

Please cancel Claims 2, 3 and 9-16 without prejudice or disclaimer of the subject matter recited therein.

Please amend Claims 1, 4, 5, 7 and 8 and add new Claim 17 as follows.

1. (Currently Amended) A fluid delivery device ~~having a valve~~ comprising:
a flow channel formed on a substrate; and
valves for controlling a flow of a fluid in the flow channel,
wherein the flow channel comprises a first flow channel, a second flow channel branched from the first flow channel, a third flow channel connected to the first flow channel, and a fourth flow channel in communicating with the second flow channel by way of the first flow channel, and
~~comprising a flow channel for the fluid, and a valve in the flow channel, wherein the valve~~ a first valve formed in the second flow channel being a check valve that allows invariably a flow toward the first flow channel and intercepts a flow in a reverse direction, or a threshold valve that allows invariably a flow toward the first flow channel, and in the reverse direction operates in accordance with a pressure difference between the an upstream side and a downstream side of the first valve caused by the flow of the fluid ~~through the flow channel,~~ allowing the fluid to flow when the pressure difference is lower than a prescribed value P_0 , and intercepting the fluid not to flow when the pressure difference is P_0 or more,

a second valve formed in the fourth flow channel being a threshold valve, and

the first valve and the second valve each having a layer and controlling the flow of the fluid in the second and fourth flow channels by elastically deforming the layer on the substrate, and

wherein the fluid introduced from the second flow channel toward the fourth flow channel and located in the first flow channel and also between the first valve and the second valve is delivered toward the third flow channel.

Claims 2 and 3. (Cancelled).

4. (Currently Amended) The fluid delivery device according to claim 1, wherein further comprising a fluid element for analysis of the fluid connected to the third flow channel the device comprises a first flow channel for delivery of the fluid, and a second flow channel and a third flow channel branched from the first flow channel, and the second flow channel is provided with the valve, the third flow channel is connected to a fluid element for analysis of the fluid, wherein the fluid is delivered from the first flow channel to the second flow channel when the pressure difference is lower than P_0 , and the fluid is delivered from the first flow channel to the third flow channel when the pressure difference is not lower than P_0 .

5. (Currently Amended) The fluid delivery device according to claim 4, wherein resistance to the flow in the third flow channel is higher than resistance to the flow in the second flow channel when the first valve is open.

6. (Original) The fluid delivery device according to claim 5, wherein the fluid element is a column of liquid chromatography.

7. (Currently Amended) The fluid delivery device according to claim 6, wherein the column ~~for~~ of liquid chromatography is provided for analysis of a chemical substance contained in the fluid.

8. (Currently Amended) The fluid delivery device according to claim 6, wherein the column ~~for~~ of liquid chromatography is a column for analysis of a protein contained in the fluid.

Claims 9-16. (Cancelled).

17. (New) The fluid delivery device according to claim 1, wherein the layer is formed in a large flow channel apart from a small flow channel, and the layer intercepts the flow into the small flow channel by being deformed elastically.